WHAT IS CLAIMED IS:

1	1. A process of removing holefill residue from a surface of an electronic substrate
2	comprising contacting holefill residue with a swelling agent and planarizing said surface of
3	said substrate contacted with said swelling agent.
1	2. A new coor in accordance with Claim 1 wherein gold symfoles is metallic or
1 2	2. A process in accordance with Claim 1 wherein said surface is metallic or dielectric.
1	3. A process in accordance with Claim 2 wherein said surface is metallic.
1	4. A process in accordance with Claim 3 wherein said surface is copper.
1	5. A process in accordance with Claim 1 wherein said swelling agent is a polar
2	organic solvent.
1	6. A process in accordance with Claim 5 wherein said polar organic solvent is an
2	aprotic solvent.
1	7. A process in accordance with Claim 6 wherein said aprotic solvent is selected
2	from the group consisting of di(ethylene glycol) butyl ether, N-methyl pyrrolidine and
3	dimethyl formamide.
1	8. A process in accordance with Claim 1 including the step of contacting said holefill
2	residue, subsequent to contact with said swelling agent, with an oxidizing agent.
1	9. A process in accordance with Claim 8 wherein said oxidizing agent is an
2	oxyanion.

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1	10. A process in accordance with Claim 9 herein said oxyanion is selected from the
2	group consisting of a permanganate salt and a chromate salt.
1	11. A process in accordance with Claim 1 wherein said mechanical planarizing step
2	is conducted in the presence of a liquid agent having a pH in the range of between about 6
3	and about 8.
1	12. A process in accordance with Claim 11 wherein said liquid is water.
1	13. A process in accordance with Claim 1 wherein said planarizing step occurs by
2	mechanical means.
1	14. A process in accordance with Claim 13 wherein said mechanical planarizing step
2	utilizes a mechanical planarizing head.
1	15. A process in accordance with Claim 13 wherein said mechanical planarizing step
2	is conducted in the absence of any lubricating agent.
1	16. A process in accordance with Claim 1 wherein said planarizing step occurs by
2	means of a high pressure water spray.
1	17. A process in accordance with Claim 16 wherein said high pressure spray includes

abrasive particles.